

ABSTRACT

A wheel end assembly includes a bearing shaft having a wheel hub mounted onto an outboard end, and a detachable outboard joint mounted onto an inboard end. A wheel bearing is mounted onto the bearing shaft, and includes a knuckle flange having an inner diameter that defines an inboard outer race and an outboard outer race. An inboard inner race and an outboard inner race are supported on the bearing shaft. Bearing elements are positioned between the inner and outer races. An inboard bearing ring is mounted onto the bearing shaft. The inboard bearing ring defines the inboard inner race and includes an engagement portion extending axially inward that engages the detachable outboard joint. The bearing shaft includes a flange portion that supports the inboard bearing ring and the wheel bearing when the outboard joint is removed.